

Appendix J

Cumulative Statistics on  
Exceedances, Complaints,  
Notifications of Summons  
and Successful Prosecutions

*Appendix J1 Cumulative Statistics on Exceedances*

		Total No. recorded in this reporting month	Total No. recorded since contract commencement
1-Hr TSP	Action	2	56
	Limit	0	11
24-Hr TSP	Action	0	4
	Limit	0	0
Landfill gas hazard monitoring			
	• Methane	0	0
	• Oxygen	0	0
	• Carbon Dioxide	0	0

*Appendix J2 Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions*

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of Summons	Successful Prosecutions
This Reporting Month (February 2021)	0	0	0
Total No. received since contract commencement	1	0	0

Email  
message

Environmental  
Resources  
Management

**To** Ramboll Hong Kong Limited (ENPO)

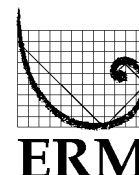
**From** ERM- Hong Kong, Limited

**Ref/Project number** Contract No. HY/2017/10  
Tuen Mun – Chek Lap Kok Link – Northern  
Connection Tunnel Buildings, Electrical and  
Mechanical Works

**Subject** Notification of Exceedance for Air Quality  
Impact Monitoring

**Date** 16 February 2021

2509,  
25/F One Harbourfront,  
18 Tak Fung Street,  
Hung Hom, Hong Kong  
Telephone: (852) 2271 3113  
Facsimile: (852) 2723 5660  
E-mail: jasmine.ng@erm.com



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Dear Sir/ Madam,

Please find attached the Notification of Exceedance (NOE) of the following  
Log no.:

**Action Level Exceedance**  
0463091\_16February2021\_1hrTSP\_Station ASR5

One (1) exceedance was recorded on 16 February 2021.

Regards,

A handwritten signature in blue ink that reads 'Jasmine'.

Dr Jasmine Ng  
*Environmental Team Leader*

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**ERM-Hong Kong, Limited**

**CONTRACT NO. HY/2017/10**

**TUEN MUN – CHEK LAP KOK LINK –  
NORTHERN CONNECTION TUNNEL BUILDINGS,  
ELECTRICAL AND MECHANICAL WORKS**

*Air Quality Impact Monitoring*

**Notification of Exceedance**

<b>Log No.</b>	<u>Action Level Exceedance</u> 0463091_16February2021_1hrTSP_Station ASR5  [Total No. of Exceedances = 1]	
<b>Date</b>	16 February 2021 (Measured) 3 March 2021 (Results obtained from ENPO Website)	
<b>Monitoring Station</b>	ASR5	
<b>Parameter(s) with Exceedance(s)</b>	1 - hr TSP	
<b>Action Levels</b>	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	ASR1 = 331 ASR5 = 340 ASR6 = 338 ASR10 = 335 AQMS1 = 337
	24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	ASR1 = 213 ASR5 = 238 ASR6 = 238 ASR10 = 214 AQMS1 = 213
<b>Limit Levels</b>	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	500
	24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	260
<b>Measured Levels</b>	Refer to <i>Appendix A</i> (Data are source from Contract No. HY/2012/08).	
<b>Works Undertaken (at the time of monitoring event)</b>	Works undertaken under this Contract on 16 February 2021 included <ul style="list-style-type: none"> <li>Defect works at Fire Services Department Building</li> <li>Final finishing works and Defect works at Customs and Excise Department Building.</li> </ul>	
<b>Possible Reason for Action or Limit Level Exceedance(s)</b>	<p>The exceedance is unlikely to be due to the Contract, in view of the following:</p> <ul style="list-style-type: none"> <li>With reference to the recorded wind direction (vary between 274° and 277°) and wind speed (0.9 m/s), the wind was mainly from north-westerly direction.</li> <li>Only minor defect works were conducted which are considered not major dust generating works, thus results of 1-hour TSP at ASR5 was unlikely impacted by the works under this project.</li> <li>The construction area under this Contract were paved/covered with vegetation. Dust are not anticipated.</li> </ul> <p>Based on the above, the exceedance is unlikely to be due to the Contract.</p>	
<b>Actions Taken/ To Be Taken</b>	No immediate action is considered necessary. The ET will monitor for future trends in exceedances.	
<b>Remarks</b>	The monitoring results on 16 February 2021, locations of air quality monitoring stations and wind data are attached (refer to <i>Appendix A</i> ).	

Appendix A

Results of Air Quality  
Monitoring, Meteorological  
Data and Locations of Air  
Quality Monitoring Stations

Air quality monitoring results on 16/2/2021								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2021-02-16	ASR10	Sunny	13:10:00	1-hour TSP	81	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR10	Sunny	14:12:00	1-hour TSP	151	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR10	Sunny	15:14:00	1-hour TSP	62	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR6	Sunny	13:22:00	1-hour TSP	195	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR6	Sunny	14:24:00	1-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR6	Sunny	15:26:00	1-hour TSP	184	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR5	Sunny	13:33:00	1-hour TSP	118	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR5	Sunny	14:35:00	1-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR5	Sunny	15:37:00	1-hour TSP	355	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR1	Sunny	13:46:00	1-hour TSP	103	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR1	Sunny	14:48:00	1-hour TSP	237	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR1	Sunny	15:50:00	1-hour TSP	167	ug/m3
TMCLKL	HY/2012/08	2021-02-16	AQMS1	Sunny	13:58:00	1-hour TSP	100	ug/m3
TMCLKL	HY/2012/08	2021-02-16	AQMS1	Sunny	15:00:00	1-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2021-02-16	AQMS1	Sunny	16:02:00	1-hour TSP	179	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR10	Sunny	16:16:00	24-hour TSP	74	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR6	Sunny	16:28:00	24-hour TSP	83	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR5	Sunny	16:39:00	24-hour TSP	84	ug/m3
TMCLKL	HY/2012/08	2021-02-16	ASR1	Sunny	16:52:00	24-hour TSP	90	ug/m3
TMCLKL	HY/2012/08	2021-02-16	AQMS1	Sunny	17:04:00	24-hour TSP	87	ug/m3

Action level exceedance

Limit level exceedance

**Meteorological Data for Impact Monitoring in the reporting period**

<b>Date (yy-mm-dd)</b>	<b>Time (24hrs)</b>	<b>Average of Wind Speed (m/s)</b>	<b>Average of Wind Direction(degree)</b>
21/02/16	0:00	1.8	78
21/02/16	1:00	1.8	70
21/02/16	2:00	1.3	86
21/02/16	3:00	1.3	58
21/02/16	4:00	1.3	85
21/02/16	5:00	2.7	100
21/02/16	6:00	2.7	79
21/02/16	7:00	1.8	41
21/02/16	8:00	2.2	56
21/02/16	9:00	2.2	93
21/02/16	10:00	1.8	111
21/02/16	11:00	1.8	129
21/02/16	12:00	1.3	101
21/02/16	13:00	1.3	131
21/02/16	14:00	1.3	196
21/02/16	15:00	0.9	274
21/02/16	16:00	0.9	277
21/02/16	17:00	0.9	198
21/02/16	18:00	0.9	261
21/02/16	19:00	0.9	299
21/02/16	20:00	0.9	324
21/02/16	21:00	0.4	328
21/02/16	22:00	0.4	288
21/02/16	23:00	0.4	273
21/02/17	0:00	1.3	308
21/02/17	1:00	0.9	303
21/02/17	2:00	0	295
21/02/17	3:00	0	303
21/02/17	4:00	0.4	2
21/02/17	5:00	1.3	5
21/02/17	6:00	1.8	18
21/02/17	7:00	2.2	20
21/02/17	8:00	1.8	19
21/02/17	9:00	2.7	32
21/02/17	10:00	1.8	90
21/02/17	11:00	2.2	23
21/02/17	12:00	1.8	33
21/02/17	13:00	1.8	28
21/02/17	14:00	1.8	24
21/02/17	15:00	1.8	144
21/02/17	16:00	0.9	18
21/02/17	17:00	1.3	81
21/02/17	18:00	1.3	78
21/02/17	19:00	1.3	53
21/02/17	20:00	1.3	66
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21/02/17	22:00	1.8	48
21/02/17	23:00	1.8	49

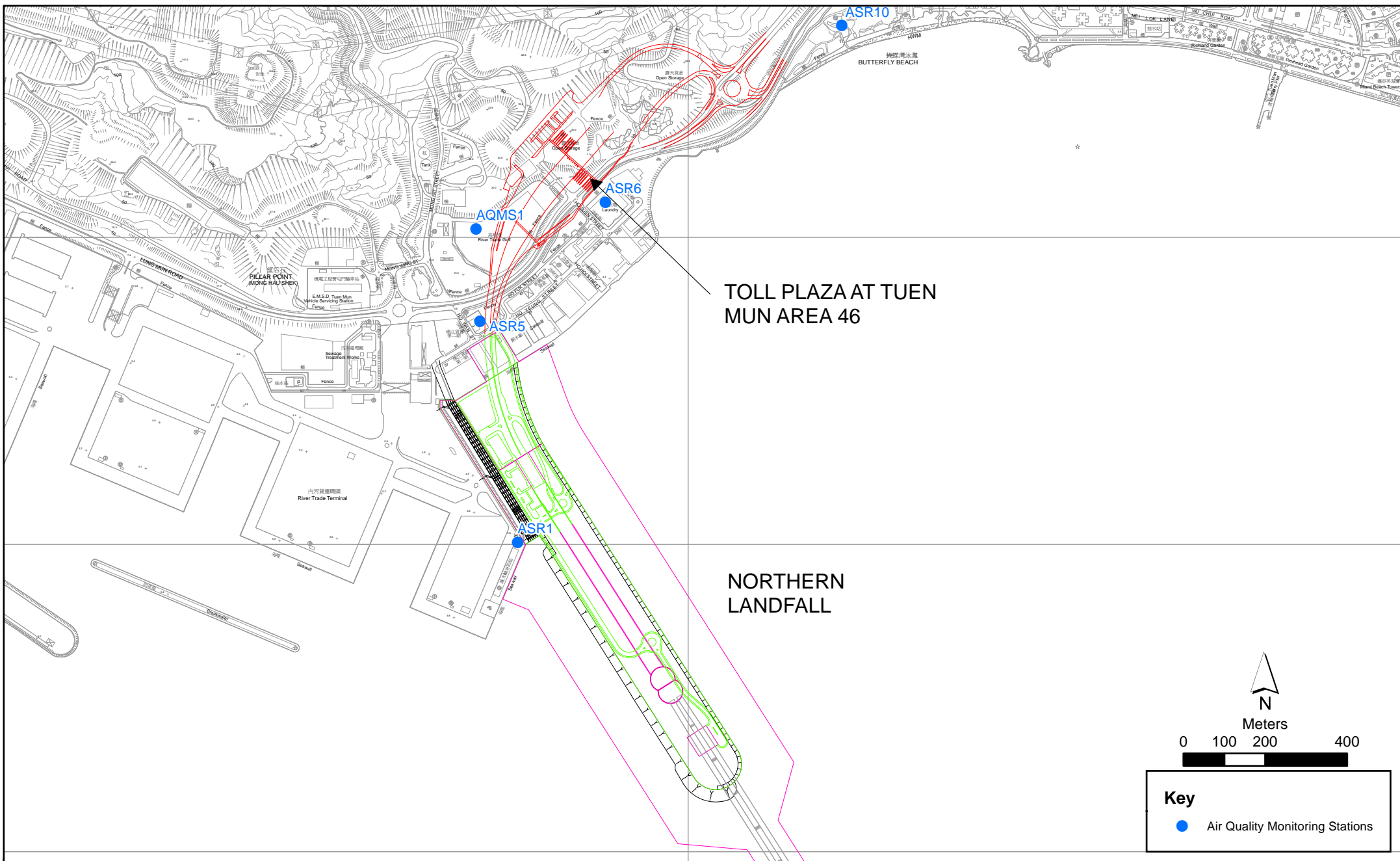


Figure 2.1

Air Quality Monitoring Stations for the Enhanced TSP Monitoring  
 (Source: Adopted from Contract No. HY/2012/08 Tuen Mun-Chek Lap Kok Link -  
 Northern Connection Sub-sea Tunnel Section)



Email  
message

**Environmental  
Resources  
Management**

**To** Ramboll Hong Kong Limited (ENPO)

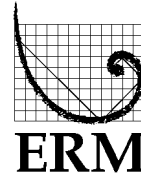
**From** ERM- Hong Kong, Limited

**Ref/Project number** Contract No. HY/2017/10  
Tuen Mun – Chek Lap Kok Link – Northern  
Connection Tunnel Buildings, Electrical and  
Mechanical Works

**Subject** Notification of Exceedance for Air Quality  
Impact Monitoring

**Date** 22 February 2021

2509,  
25/F One Harbourfront,  
18 Tak Fung Street,  
Hung Hom, Hong Kong  
Telephone: (852) 2271 3113  
Facsimile: (852) 2723 5660  
E-mail: jasmine.ng@erm.com



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Dear Sir/ Madam,

Please find attached the Notification of Exceedance (NOE) of the following  
Log no.:

**Action Level Exceedance**  
0463091\_22February2021\_1hrTSP\_Station ASR5

One (1) exceedance was recorded on 22 February 2021.

Regards,

Dr Jasmine Ng  
*Environmental Team Leader*

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ERM-Hong Kong, Limited

CONTRACT NO. HY/2017/10  
 TUEN MUN – CHEK LAP KOK LINK –  
 NORTHERN CONNECTION TUNNEL BUILDINGS,  
 ELECTRICAL AND MECHANICAL WORKS

*Air Quality Impact Monitoring*

**Notification of Exceedance**

<b>Log No.</b>	<u>Action Level Exceedance</u> 0463091_22February2021_1hrTSP_Station ASR5	
	[Total No. of Exceedances = 1]	
<b>Date</b>	22 February 2021 (Measured) 3 March 2021 (Results obtained from ENPO Website)	
<b>Monitoring Station</b>	ASR5	
<b>Parameter(s) with Exceedance(s)</b>	1 - hr TSP	
<b>Action Levels</b>	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	ASR1 = 331 ASR5 = 340 ASR6 = 338 ASR10 = 335 AQMS1 = 337
	24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	ASR1 = 213 ASR5 = 238 ASR6 = 238 ASR10 = 214 AQMS1 = 213
<b>Limit Levels</b>	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	500
	24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	260
<b>Measured Levels</b>	Refer to <i>Appendix A</i> (Data are source from Contract No. HY/2012/08).	
<b>Works Undertaken (at the time of monitoring event)</b>	Works undertaken under this Contract on 22 February 2021 included <ul style="list-style-type: none"> <li>• Defect works at Fire Services Department Building</li> <li>• Final finishing works and Defect works at Customs and Excise Department Building.</li> </ul>	
<b>Possible Reason for Action or Limit Level Exceedance(s)</b>	<p>The exceedance is unlikely to be due to the Contract, in view of the following:</p> <ul style="list-style-type: none"> <li>• With reference to the recorded wind direction (vary between 211° and 212°) and wind speed (vary between 1.3 and 1.8 m/s), the wind was mainly from south-westerly direction.</li> <li>• Only minor defect works were conducted which are considered not major dust generating works, thus results of 1-hour TSP at ASR5 was unlikely impacted by the works under this project.</li> <li>• The construction area under this Contract were paved/covered with vegetation. Dust are not anticipated.</li> </ul> <p>Based on the above, the exceedance is unlikely to be due to the Contract.</p>	
<b>Actions Taken / To Be Taken</b>	No immediate action is considered necessary. The ET will monitor for future trends in exceedances.	
<b>Remarks</b>	The monitoring results on 22 February 2021, locations of air quality monitoring stations and wind data are attached (refer to <i>Appendix A</i> ).	

Appendix A

Results of Air Quality  
Monitoring, Meteorological  
Data and Locations of Air  
Quality Monitoring Stations

Air quality monitoring results on 22/2/2021								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2021-02-22	ASR10	Sunny	13:10:00	1-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR10	Sunny	14:12:00	1-hour TSP	90	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR10	Sunny	15:14:00	1-hour TSP	147	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR6	Sunny	13:22:00	1-hour TSP	113	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR6	Sunny	14:24:00	1-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR6	Sunny	15:26:00	1-hour TSP	203	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR5	Sunny	13:34:00	1-hour TSP	136	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR5	Sunny	14:36:00	1-hour TSP	139	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR5	Sunny	15:38:00	1-hour TSP	472	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR1	Sunny	13:47:00	1-hour TSP	128	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR1	Sunny	14:49:00	1-hour TSP	209	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR1	Sunny	15:51:00	1-hour TSP	171	ug/m3
TMCLKL	HY/2012/08	2021-02-22	AQMS1	Sunny	13:58:00	1-hour TSP	99	ug/m3
TMCLKL	HY/2012/08	2021-02-22	AQMS1	Sunny	15:00:00	1-hour TSP	113	ug/m3
TMCLKL	HY/2012/08	2021-02-22	AQMS1	Sunny	16:02:00	1-hour TSP	154	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR10	Sunny	16:16:00	24-hour TSP	62	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR6	Sunny	16:28:00	24-hour TSP	76	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR5	Sunny	16:40:00	24-hour TSP	83	ug/m3
TMCLKL	HY/2012/08	2021-02-22	ASR1	Sunny	16:53:00	24-hour TSP	86	ug/m3
TMCLKL	HY/2012/08	2021-02-22	AQMS1	Sunny	17:04:00	24-hour TSP	69	ug/m3

Action level exceedance

Limit level exceedance

**Meteorological Data for Impact Monitoring in the reporting period**

<b>Date (yy-mm-dd)</b>	<b>Time (24hrs)</b>	<b>Average of Wind Speed (m/s)</b>	<b>Average of Wind Direction(degree)</b>
21/02/22	0:00	0.9	45
21/02/22	1:00	0.4	45
21/02/22	2:00	0	32
21/02/22	3:00	0	21
21/02/22	4:00	0	19
21/02/22	5:00	0	14
21/02/22	6:00	0.4	358
21/02/22	7:00	0.4	307
21/02/22	8:00	0.9	138
21/02/22	9:00	0.9	126
21/02/22	10:00	0.9	183
21/02/22	11:00	1.3	203
21/02/22	12:00	1.8	233
21/02/22	13:00	1.3	236
21/02/22	14:00	1.8	203
21/02/22	15:00	1.8	211
21/02/22	16:00	1.3	212
21/02/22	17:00	1.3	67
21/02/22	18:00	1.3	60
21/02/22	19:00	1.3	71
21/02/22	20:00	1.3	50
21/02/22	21:00	0.9	60
21/02/22	22:00	0.4	57
21/02/22	23:00	0.4	35
21/02/23	0:00	0.4	46
21/02/23	1:00	0.9	322
21/02/23	2:00	0.4	328
21/02/23	3:00	0.4	341
21/02/23	4:00	0	303
21/02/23	5:00	0	322
21/02/23	6:00	0.4	308
21/02/23	7:00	0	317
21/02/23	8:00	0	113
21/02/23	9:00	1.3	218
21/02/23	10:00	1.3	193
21/02/23	11:00	0.9	130
21/02/23	12:00	1.8	210
21/02/23	13:00	1.8	200
21/02/23	14:00	1.3	230
21/02/23	15:00	2.2	100
21/02/23	16:00	2.7	92
21/02/23	17:00	3.1	104
21/02/23	18:00	2.2	86
21/02/23	19:00	2.2	97
21/02/23	20:00	2.7	94
21/02/23	21:00	2.7	87
21/02/23	22:00	2.2	98
21/02/23	23:00	2.7	81

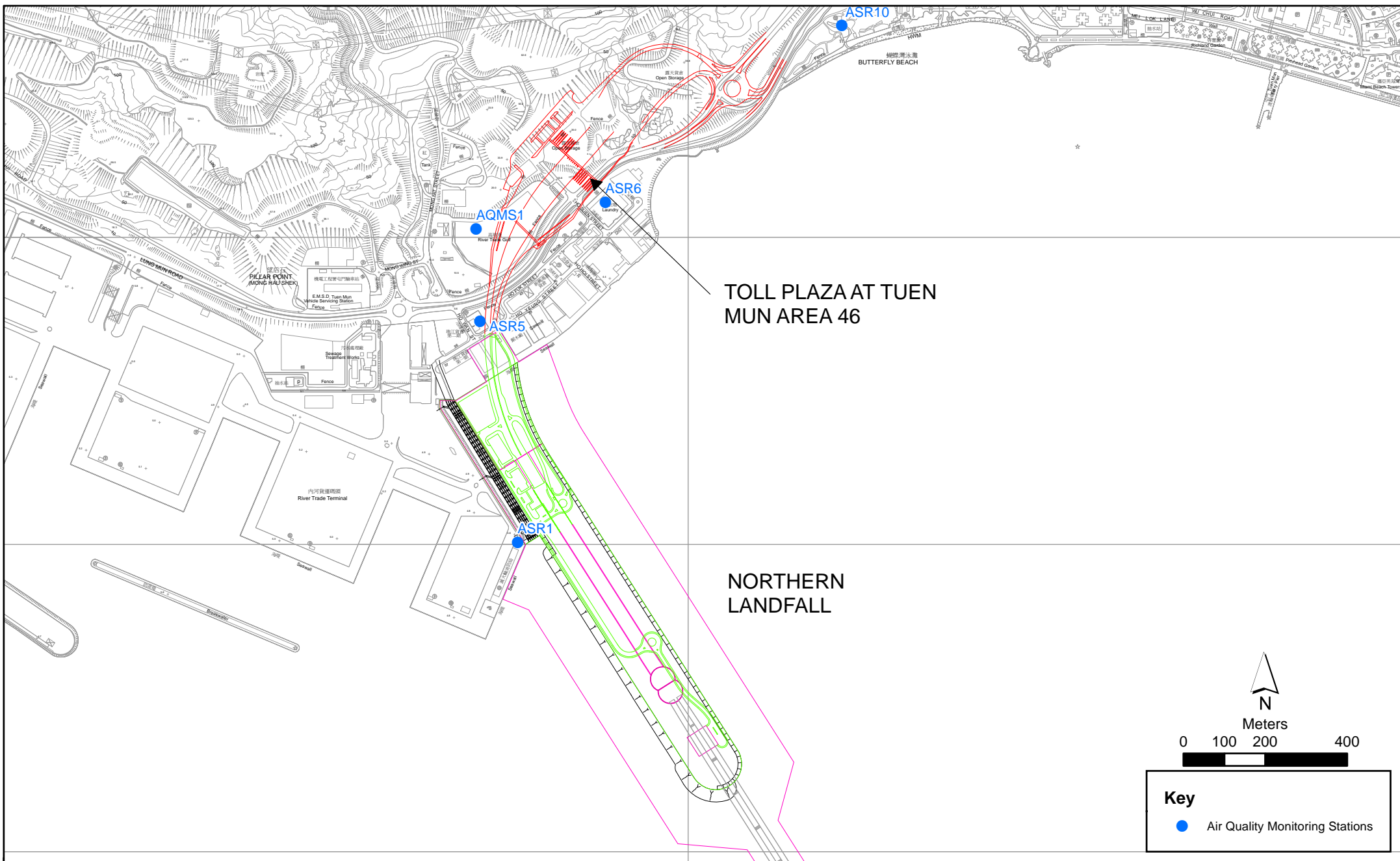


Figure 2.1

Air Quality Monitoring Stations for the Enhanced TSP Monitoring  
 (Source: Adopted from Contract No. HY/2012/08 Tuen Mun-Chek Lap Kok Link -  
 Northern Connection Sub-sea Tunnel Section)